Ahmad bin Zainul Abidin

Fullstack Developer

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Summary

Adaptable and forward-thinking Fullstack Developer with 6+ years of experience continually embracing new technologies to build robust and user-friendly web applications. Proven ability to quickly learn and implement innovative solutions across diverse projects and technology stacks.

Experience

BAE Systems Digital Intelligence   **Feb 2023 - Present**
Full Stack Developer   Kuala Lumpur, Malaysia

- **Full Stack Development:** Leveraged expertise in **Typescript**, **Javascript**, and **Java** to develop and maintain both **Front-End** (Microfrontends) and **Back-End** (Microservices) components within a large-scale ecosystem.
- **Microservices Architecture:** Contributed to a Back-End environment comprising over 50 **Java**-based microservices, ensuring scalability and resilience.
- **Microfrontends Architecture:** Developed and maintained Front-End applications utilizing a Microfrontends architecture, enhancing modularity and maintainability.
- **Agile & Scrum Methodology:** Collaborated with 20+ global **Scrum** team members to deliver complex projects, adhering to **Agile** principles for iterative and incremental development.
- **Stakeholder Communication:** Presented monthly product demonstrations to over 20 global stakeholders, effectively communicating progress and gathering feedback.
- **Knowledge Sharing & Initiative:** Proactively researched and implemented new tools and software to enhance project capabilities and developer experience, conducting regular knowledge-sharing sessions with the development team.

Configura Pacific Sdn Bhd   **May 2021 - Feb 2023**
Developer   Kuala Lumpur, Malaysia

- **Front-End Development Focus:** Served as the primary Front-End Developer within cross-functional **Agile** teams, developing a companion web application for the in-house CAD software.
- **Full Stack Expertise:** Engineered solutions across 6 diverse technology stacks and utilized 2 programming languages to build a real-time system with **WebSocket** synchronization for project file management, supporting a scalable user base.
- **Requirements Gathering & Stakeholder Management:** Engaged with 20+ global stakeholders within a **Scrum**environment to translate high-level designs into actionable development plans, accommodating over 100 user requirements.
- **Code Quality Assurance:** Participated in 10+ weekly code reviews, proactively identifying, commenting on, and rectifying code issues to maintain high code quality standards.
- **Product Demonstrations & Communication:** Represented the development team in 2 product demos to over 80 stakeholders across 3 regions, showcasing project progress and features.
- **Proactive Learning & Technology Adoption:** Voluntarily took on new assignments utilizing **Rust**, expanding technology skill set while ensuring timely delivery of core project tasks.

BAE Systems Applied Intelligence   **Sept 2018 - May 2021**
Full Stack Developer   Kuala Lumpur, Malaysia

- **Automation & Efficiency Improvement:** Developed automated migration scripts, significantly reducing migration time by over 30 man-hours, enhancing project efficiency.
- **Quality Assurance Initiative:** Initiated and contributed to the automated testing project, empowering the QA team to write effective regression test scripts and improve software quality.
- **Web Application Development & Deployment:** Successfully delivered a secure web application for security document subscription, benefiting over 500 global users and improving document accessibility.
- **Diverse Technology Stack Proficiency:** Worked across 9 different technology stacks and utilized 5 programming languages to successfully deliver 5 projects within a 3-year timeframe, demonstrating adaptability and versatility.
- **Automated Testing Implementation:** Delivered over 400 automated test scripts within a single month, significantly enhancing test coverage and reducing manual testing efforts.
- **End-User Collaboration:** Engaged with 10+ global end-users to ensure software deliverables met expectations and addressed user needs effectively.
- **Code Review & Best Practices:** Participated in 10+ weekly code reviews, consistently identifying and resolving code defects to maintain high code quality and enforce coding standards.
- **Back-End API Development:** Developed robust and scalable API back-end services using **Python Django**, contributing to the application's core functionality.
- **Front-End Development Expertise:** Developed user-friendly and interactive Front-End applications using **React** with **Javascript**, enhancing user experience.
- **Authentication & Reverse Proxy Management:** Implemented and managed authentication and reverse proxy solutions utilizing **NGINX** and **Lua**, ensuring secure access and optimal application performance.

Skills		
	Front End Development	**Backend Development**
	React, Typescript, Javascript, NextJS, TailwindCSS, Material UI	Java, Rust, Python, Lua, Django, Axum, Protobuff
	Deployment	**Project Management**
	Docker, Docker Compose, Serverless, Micro Services, NGINX	Agile, Scrum, JIRA, Azure DevOps, Git, Figma
	Database	**Protocols**
	D1, Solr, SQL, R2, S3, Drizzle, SQLx	gRPC, REST, SOAP, tRPC, Server Sent Event (SSE), WebSocket

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Languages			
	English	**Malay**	**Japanese**
	IELTS 7.5	Native	Conversational

Certifications

Japanese-Language Proficiency Test (JLPT) N5
The Japan Foundation and Japan Educational Exchanges and Services

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Education

Universiti Kuala Lumpur Malaysia France Institute   **Sept 2013 - Jan 2017**
Industrial Automation & Robotics   Bachelor Degree
3.71/4.00

- Council Award, Platinum Award and Golden Award recipient
- Founder and President of UniKL Robotique Society (Initiated, Organized and actively participated in multiple international robotic competition)
- Speaker for Enactus Malaysia National Cup 2015
- Vice President of administration for Enactus UniKL MFI 2015 - 2016
- Lead the University team in Malaysia - India Robotic Exchange Program at Chennai, India

Korea University of Technology and Education   **February 2016 - July 2016**
School of Computer Science   Exchange Student, South Korea
4.5/4.5

Projects

Ejen2U Mobile App
Delivered

- Develop mobile app that simplifies the process for agent management, order stocks, calculate earnings and generate reports using React Native and MySQL within 1 year
- Lead a team of 3 by engaging with 5 stakeholders to discuss, design and develop user requirement

Solar Dryer Automation
Delivered

- Design, Fabricate, Procure and Program embedded micro-controllers to monitor and automatically maintain the temperature and humidity inside the Solar Dryer for Agriculture industry process
- Used google sheet to create a dashboard for real-time monitoring and logging to aid user in monitoring, research and troubleshoot any issues remotely

Automated Trading Bot
On-going

- Design, calculate and develop trading bot to constantly monitor the market price of selected ticker stocks to make purchasing and selling decision automatically using Python
- Successfully generated positive portfolio in 3 months
- Currently in study to embed Machine Learning into the trading algorithm

Restaurant POS System
On-going

- Design and develop Restaurant POS System, QR Ordering, payment checkout using React Native for mobile app and NextJS Serverless hosted on Cloudflare Edge for Web Applications and the Backend Server

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Volunteering

Universitas Airlangga   **January 2016**
     Surabaya, Indonesia

- Volunteer for 1 month in charity work under KKN-BBM Community Empowerment Program
- Responsible in educating 60+ children from rural area on the topic of hygiene, self-care and english in the program

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Profiles

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References			
	Aris Lim	**Kho Wei Lip**	**Orlson Chan**
	Product Owner	Lead UI/UX	Test Manager
	BAE Systems	Configura	BAE Systems
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